Jiahao Shao

Curriculum Vitae

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Education

Zhejiang University   Hangzhou, China

Bachelor of Automation (overall GPA: 3.93/4.00, major GPA: 3.95/4.00)   *2020 - Present*

- **Selected Coursework:** Calculus: 95; Probability and Mathematical Statistics: 99; Signal Analysis and Processing: 93
- **Selected Awards:**
  Two Second-class Scholarships
  Finalist Award of Mathematical Contest in Modeling (top 2%)

Research Interests

- 3D Computer Vision, Generative Models.

Publication

- Hongyu Zhou, **Jiahao Shao**, Lu Xu, Dongfeng Bai, Weichao Qiu, Bingbing Liu, Yue Wang, Andreas Geiger, Yiyi Liao. HUGS: Holistic Urban 3D Scene Understanding via Gaussian Splatting, CVPR 2024.

Research Experience

Research Intern, Zhejiang University   Hangzhou, China

Advisor: Yiyi Liao   *Jul 2023 - Present*

Projects

Urban Scene Understanding   Jul 2023 - Dec 2023

- Utilizing 3D Gaussian Splatting for holistic urban scene understanding.

Diffusion Model Distillation   Dec 2023 - Mar 2024

- Distilling high quality training data from pre-trained diffusion model suitable for 3D GAN training with only inexpensive 3D supervision (working on it).

Mathematical Contest in Modeling

- extracting the possible features of words to predict the difficulty of the word, carried out exploratory analysis
- Finalist Award (top 2%)

Technical Skills

Python; C; PyTorch; PyTorch Lightning; Linux; Latex; MATLAB